

ABSTRACT

[0379] This invention relates to crystals of whole antibodies and fragments thereof, and formulations and compositions comprising such crystals. More particularly, methods are provided for the

5 crystallization of high concentrations of whole antibodies, and fragments thereof, in large batches, and for the preparation of stabilized whole antibody crystals for use alone, or in dry or slurry formulations or compositions. This invention also relates to methods for

10 stabilization, storage and delivery of biologically active whole antibody crystals.

[0380] The present invention further relates to methods using whole antibody crystals, antibody fragment crystals, or compositions or formulations comprising such

15 crystals for biomedical applications, including biological delivery to humans and animals. More particularly, whole antibody crystals or antibody fragment crystals, or crystal compositions or formulations thereof, are used as a carrier-free delivery

20 system which can slowly release active whole antibodies or fragments thereof, to a subject, where and when they are needed.